

Figure 18. The CaESS1 gene of *Candida albicans*.

**Figure 1.** Complete nucleotide sequence of the *CaESS1* gene from *Candida albicans* and its predicted translation product. The *CaESS1*-encoded protein is 177 amino acids long and has a predicted MW of 19.8 Kd. It is 42% identical to the *ESS1* protein of *Saccharomyces cerevisiae*.

**Figure 1B. Gene Knockout of *CaESS1* in *Candida albicans*.**

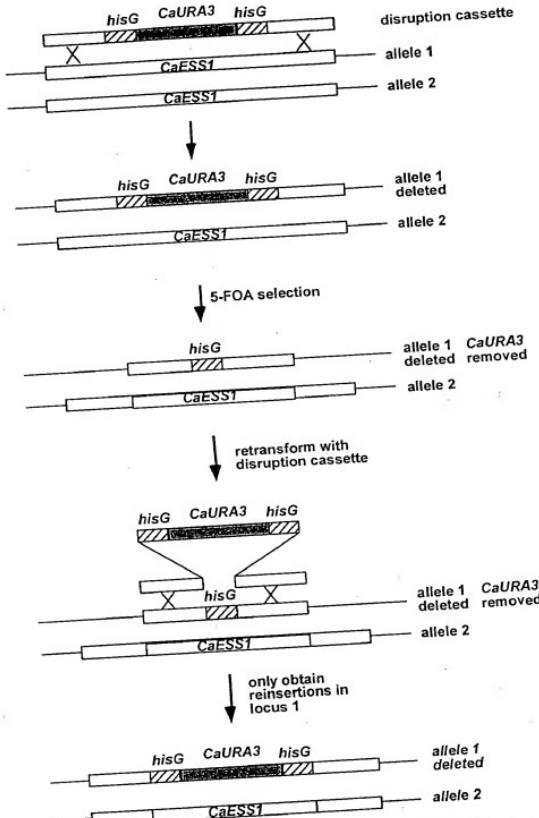


Figure 1B. *CaEss1* was deleted in strain CAI4 by the method of Fonzi and Irwin (1993). Ura<sup>+</sup> transformants were selected, genomic DNA was prepared and analyzed by Southern hybridization and by PCR. Results confirmed homologous recombination and gene deletion of the first allele as outlined in the figure. The *CaURA3* gene was then removed by selection with 5-FOA, and diploid disruption strains (*caess1/CaESS1*) were used for retransformation with the *hisG-CaURA3-hisG*/*CaESS1* disruption cassette as before. No homozygous deletion strains (*caess1/caess1*) were obtained (see Table 1). Instead the *hisG-CaURA3-hisG*/*CaESS1* cassette reinserted into the already disrupted allele in all Ura<sup>+</sup> transformants analyzed.

Figure 2. Yeast Strain to Identify Inhibitors  
Specific for *Candida albicans* CaESS1

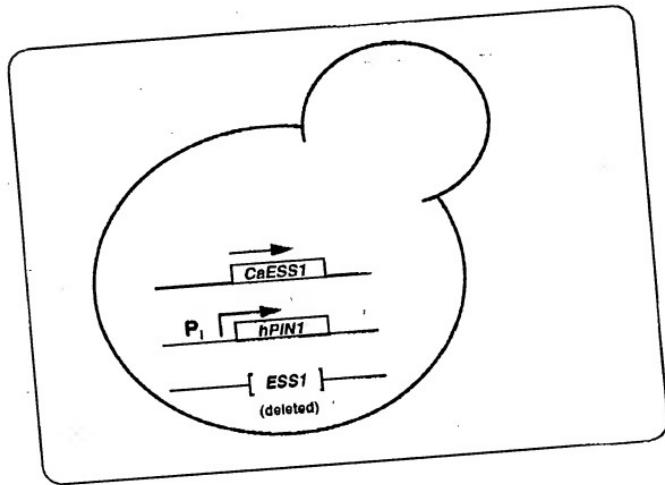
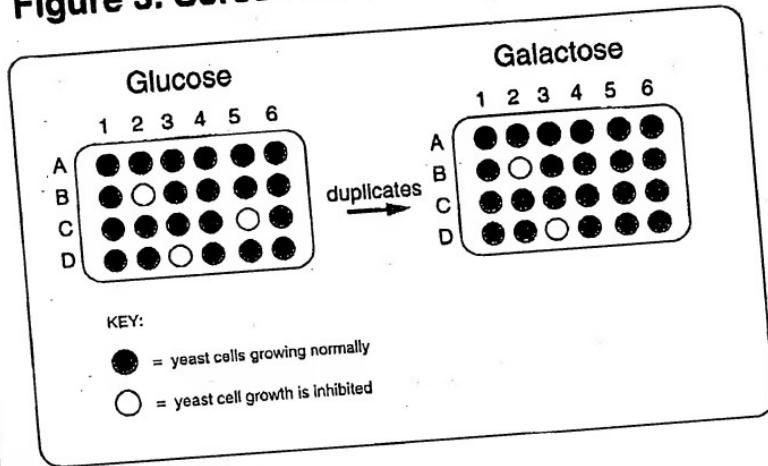


Figure 3. Screen for CaESS1 Inhibitors



**Figure 4. Screen for *hPIN1* Inhibitors**

